

- |    |                      |     |                |
|----|----------------------|-----|----------------|
| NO | DESCRIPTION          | NO  | DESCRIPTION    |
| 1C | CARGO TANK VALVE     | 13C | BLOCK VALVE    |
| 2C | LOAD VALVE           | 19C | CARGO HEADER   |
| 3C | MASTER SUCTION VALVE | 30C | CARGO PIPELINE |
| 4C | DISCHARGE VALVE      | 36C | PRESSURE GAUGE |
| 5C | HEADER VALVE         | 37C | CARGO DROP     |
| 6C | SALVAGE VALVE        | —   | —              |
| 8C | RELIEF VALVE         | —   | —              |
| 9C | CHECK VALVE          | —   | —              |

NOTE 1: CONTAINMENT P/S

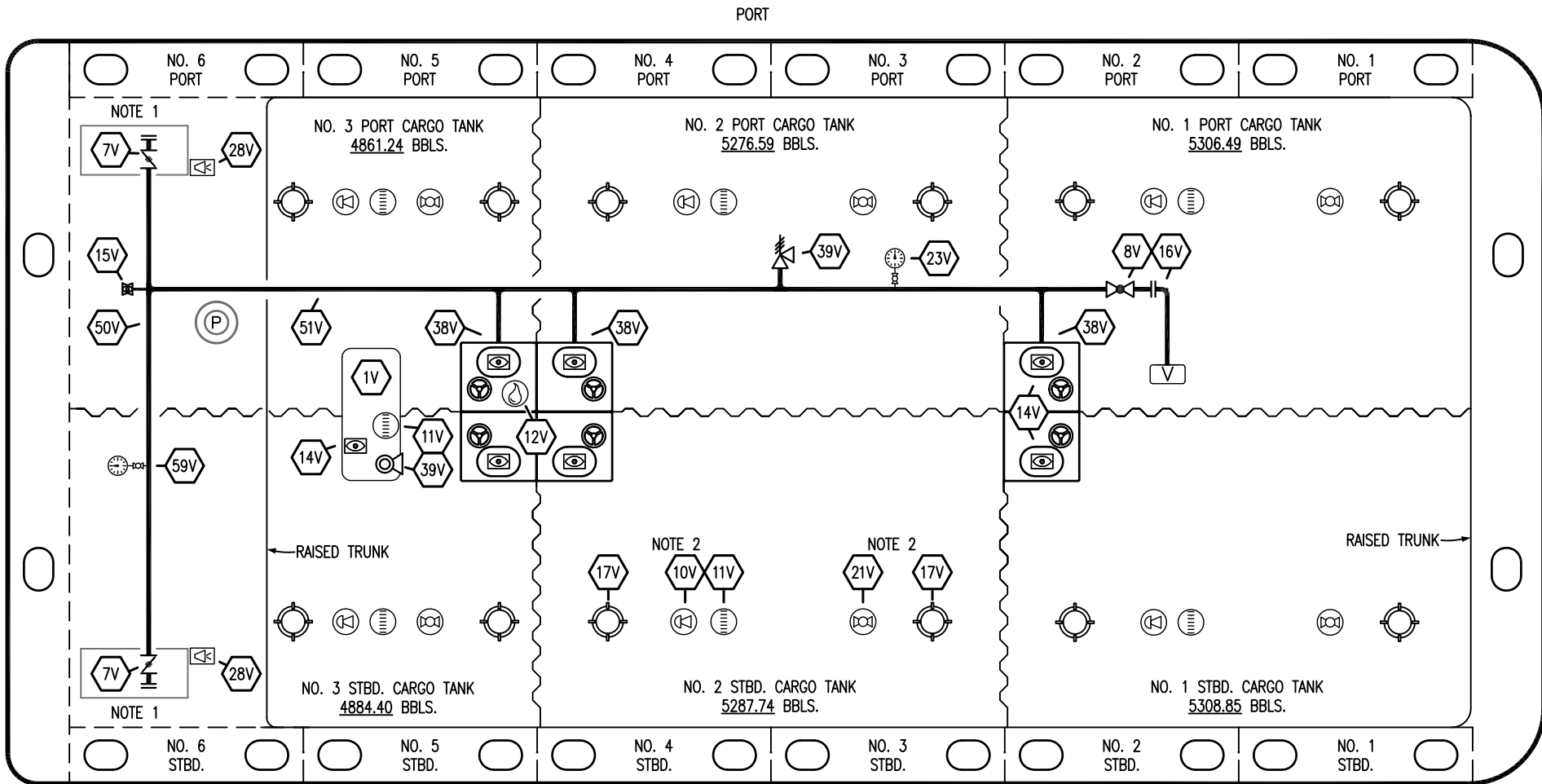
TRINITY

REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION
1	07/20/23	MRV	DDA	JF	REVISED PER CLIENT COMMENTS
0	12/20/12	KS	DDA		ISSUED FOR REVIEW

**KIRBY INLAND MARINE**

**CARGO**  
**PIPING FLOW DIAGRAM**

SCALE: NONE	<b>KIRBY 30045B</b>	REV. 1
PAGE: 1 OF 3		



- |     |                           |     |                       |
|-----|---------------------------|-----|-----------------------|
| NO  | DESCRIPTION               | NO  | DESCRIPTION           |
| 1V  | SLOP TANK                 | 21V | HERMETIC GAUGE        |
| 7V  | HEADER VALVE              | 23V | PRESSURE GAUGE        |
| 8V  | VENT STACK VALVE          | 28V | DOCK CONNECTION ALARM |
| 10V | HIGH LEVEL/OVERFILL ALARM | 38V | PENETRATION           |
| 11V | 1-METER STICK GAUGE       | 39V | PRESSURE/VACUUM VALVE |
| 12V | HERMETIC SAMPLE           | 50V | VAPOR HEADER          |
| 14V | SIGHT GLASS               | 51V | VAPOR PIPELINE        |
| 15V | INSPECTION PORT           | 59V | PRESS/VAC GAUGE       |
| 16V | VAPOR VENT STACK          | —   | ABOVE DECK PIPING     |

NOTE 1: CONTAINMENT P/S  
NOTE 2: TYPICAL RIGGING IN EACH TANK

1	07/20/23	MRV	DDA	JF	REVISED PER CLIENT COMMENTS
0	12/20/12	KS	DDA		ISSUED FOR REVIEW
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION

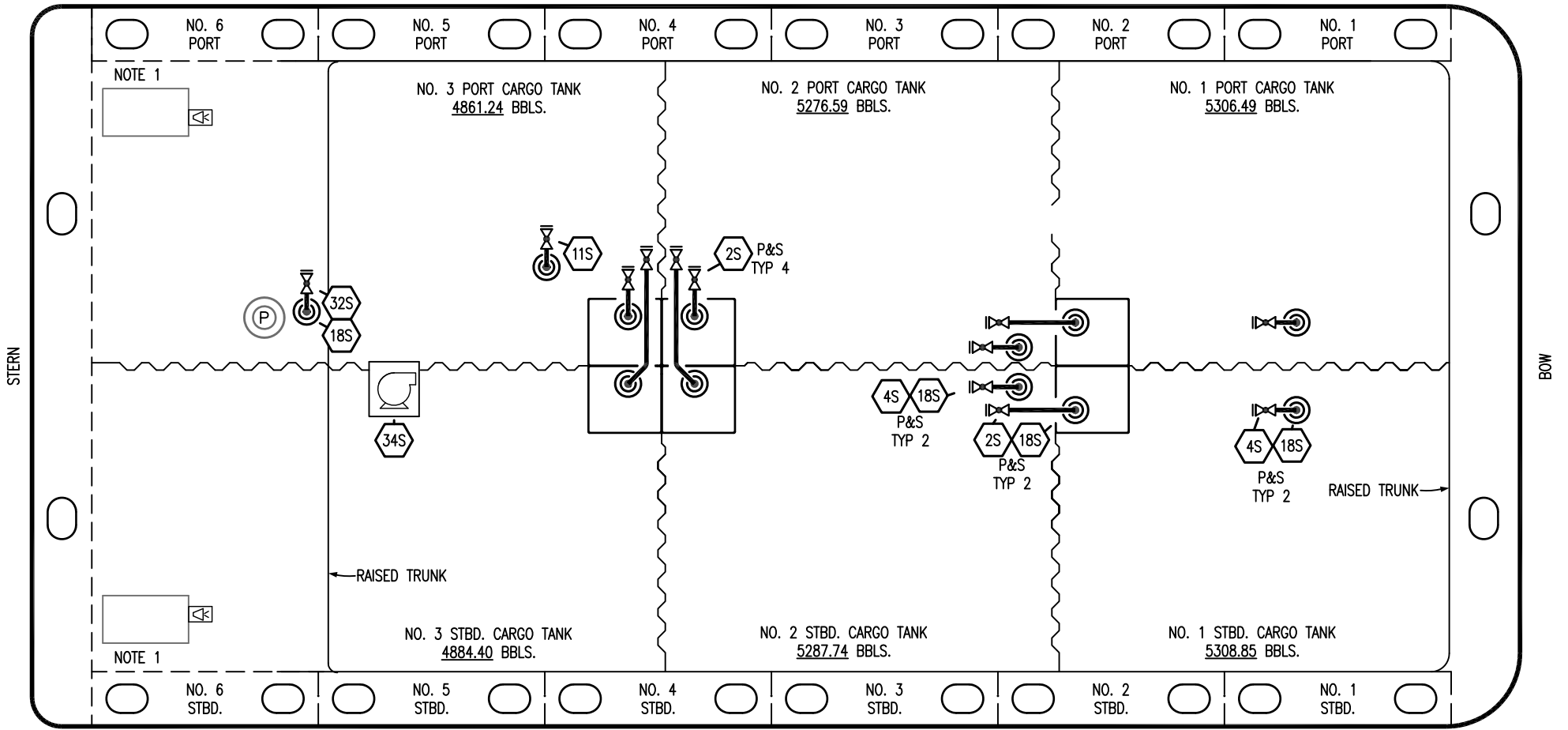
TRINITY

**KIRBY INLAND MARINE**

**VAPOR  
PIPING FLOW DIAGRAM**

SCALE: NONE	<b>KIRBY 30045B</b>	REV. 1
PAGE: 2 OF 3		

PORT



- |     |                          |
|-----|--------------------------|
| NO  | DESCRIPTION              |
| 2S  | CARGO SUMP SUCTION VALVE |
| 4S  | CARGO TANK SUCTION VALVE |
| 18S | STRIPPING DROP           |
| 32S | PUMP WELL PRIMER VALVE   |
| 34S | AIR PUMP                 |
|     | ABOVE DECK PIPING        |

STARBOARD

NOTE 1: CONTAINMENT P/S

TRINITY

1	07/20/23	MRV	DDA	JF	REVISED PER CLIENT COMMENTS
0	12/20/12	KS	DDA		ISSUED FOR REVIEW
REV.	DATE	BY	CHK	APP	REVISION DESCRIPTION

**KIRBY INLAND MARINE**

**STRIPPING  
PIPING FLOW DIAGRAM**

SCALE: NONE  
PAGE: 3 OF 3

**KIRBY 30045B** REV. **1**